

Application Serial No. 10/540,892
Reply to office action of November 26, 2008

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Docket: CU-4288

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. **(currently amended)** An apparatus for transmitting data in a digital broadcasting system, comprising:

a source encoding **means unit** for encoding data to be transmitted and generating source-coded data;

a capacity managing **means unit** for dividing the source-coded data into divided data for a plurality of channels ~~in case that an available data capacity for transmitting the source-coded data does not exist in one channel but sum of available data capacities of several channels can accommodate the source-coded data~~, and ~~adding~~ generating header information corresponding to the divided data;

a channel encoding **means unit** for encoding the divided data according to channel environment and generating channel-coded data; and

a transmitting **means unit** for multiplexing, modulating and transmitting the channel-coded data through multiple frequency bands and multiple broadcasting sites.

2. **(currently amended)** The apparatus as recited in claim 1, wherein the capacity managing **means unit** stores information of available capacity and unavailable capacity for each frequency band, divides the source-coded data in case that an available data capacity for transmitting the source-coded data does not exist in one channel but sum of

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the available data capacities of multiple channels can accommodate the source-coded data, and adds the header information ~~to the divided data~~ in a data packet so as to reconstruct the data in the receiving apparatus.

3-4. (Withdrawn)

5. **(currently amended)** A method for transmitting data in a digital broadcasting system, comprising ~~the steps of~~:

(a) encoding image data and audio data to be transmitted and generating source-coded data;

(b) ~~at a capacity managing means~~, dividing the source-coded data into divided data for a plurality of channels ~~in case that an available data capacity for transmitting the source-coded data does not exist in one channel but sum of available data capacities of multiple channels can accommodate the source-coded data~~, and ~~adding~~ generating header information corresponding to the divided data;

(c) channel encoding the divided data according to channel environment and generating channel-coded data; and

(d) multiplexing, modulating and transmitting the channel-coded data through multiple frequency bands and multiple broadcasting sites.

6. **(currently amended)** The method as recited in claim 5, wherein the ~~capacity managing means stores~~ dividing the source-coded data includes storing

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information of available capacity and unavailable capacity for each frequency bands,
~~divides and dividing~~ the source-coded data in case that an available data capacity for
transmitting the source-coded data does not exist in one channel but sum of available
data capacities of the multiple channels can accommodate the source-coded data, ~~and~~
~~adds wherein~~ the header information is used ~~in a data packet so as~~ to reconstruct
the data in the receiving apparatus.

7-8. (Withdrawn)